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CASE D0039 NP

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Stephen C. D'Amico
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March 28, 2003
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF
FEDER ET AL.

Art Unit: 1646

Examiner: ULM, JOHN D

APPLICATION NO: 09/966,459

FILED: SEPTEMBER 26, 2001

FOR: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR,
HGPRBMY4, EXPRESSED HIGHLY IN PROSTATE, COLON, AND
LUNG

Assistant Commissioner for Patents
Washington, D.C. 20231

SECOND PRELIMINARY AMENDMENT

Sir:

Kindly enter the following amendments to the above captioned application.

B1126

In the Claims:

Amend Claims 34 and 55.

C1 *35* ~~34.~~ (Once Amended) A method of screening for candidate compounds capable of modulating the activity of a G-protein coupled receptor polypeptide, comprising:

- (a) contacting a test compound with a cell or tissue comprising an expression vector capable of expressing a polypeptide comprising an amino acid sequence as set forth in SEQ ID NO:2, or encoded by ATCC deposit PTA-2682, under conditions in which said polypeptide is expressed; and
- (b) selecting as candidate modulating compounds those test compounds that modulate activity of the G-protein coupled receptor polypeptide,

~~wherein said candidate modulating compounds are useful for the treatment of a colon disorder.~~

C2 *36* ~~55.~~ (Once Amended) The method according to claim 34 wherein said candidate compound is useful for treating colon disorders selected from the group consisting of: colon cancer, Crohn's